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Declaration under Rule 4.17:

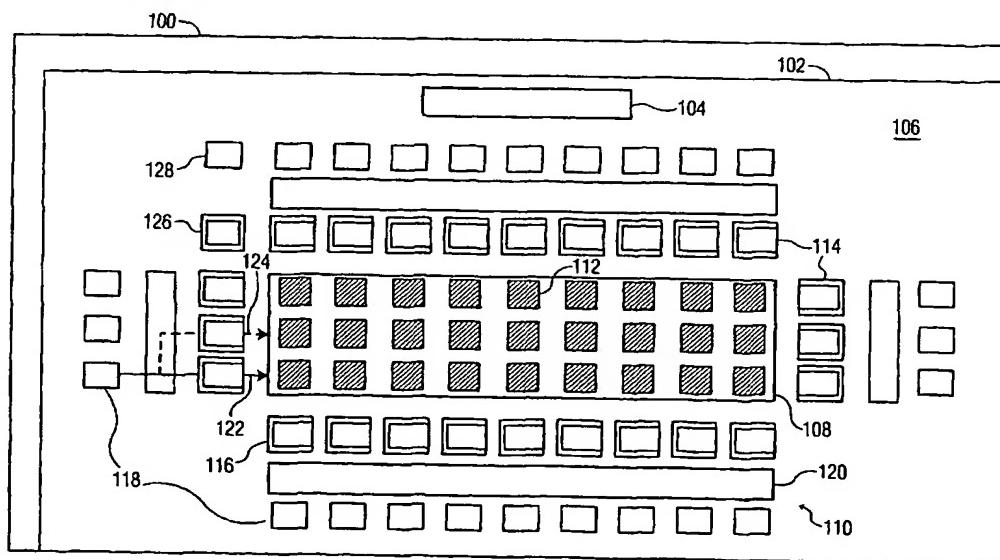
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations

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(54) Title: DATAFLOW-SYNCHRONIZED EMBEDDED FIELD PROGRAMMABLE PROCESSOR ARRAY



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(57) Abstract: An embedded field programmable processor includes a two-dimensional array of processing cells for performing mathematical operations whose timing depends on the inflow of operands. An array interface reconfigurably connects paths for the inflow to respective cells on the array periphery. The array is preferably of the systolic type and is preferably implemented with nearest neighbor inter-cell connections.



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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F15/80

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>CUCCHIARA R ET AL: "RECONFIGURING THE BOUNDARIES OF A MESH-CONNECTED ARRAY OF PROCESSORS WITH RUN-TIME PROGRAMMABLE LOGIC" MICROPROCESSORS AND MICROSYSTEMS, IPC BUSINESS PRESS LTD. LONDON, GB, vol. 17, no. 2, January 1993 (1993-01), pages 67-73, XP000355541 ISSN: 0141-9331 abstract page 68, left-hand column, line 37 - line 69 page 69, right-hand column, line 22 - line 32; figure 1</p> <hr/> <p>US 6 457 116 B1 (FRENCH ROBERT ET AL) 24 September 2002 (2002-09-24) column 4, line 58 - column 5, line 12</p> <hr/> <p>-/-</p>	1,2,5,6, 8-10,17, 18,20
A		1,2,5, 10,20

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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